

20020113.ba v03_n281.bam.20020113

>From ???@??? Sun Jan 13 13:15:53 2002 -0600
Message-Id: <200201131915.g0DJFaCU010480@sco.theporch.com>
Date: Sun, 13 Jan 2002 19:15:03 GMT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3281

BOATANCHORS Digest 3281

Topics covered in this issue include:

- 1) Fwd: Re: Lankford SSB Mod
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 2) Swan Model 22 VFO switch f/s
by Robert Kemp <rkemp@mr.net>
- 3) Re: Lankford SSB Mod
by Mike Sullivan <vze344qr@verizon.net>
- 4) "Echoes of War" book followup
by Dave Metz <metzd@intelos.net>
- 5) Of Intl. Crystal T-12 Txmtr
by Michael n Hopkins <mnhopkins@juno.com>
- 6) Johnson KW Matchbox
by "Ed White" <wa3bzt@wserv.com>
- 7) Re: 211 Tank Coil Calculations
by "JAMES T HANLON" <knjhanlon@email.msn.com>
- 8) Dynamotor for No. 19 Mk II wanted
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 9) Manuals for sale
by "Russ Schroeder" <w2dyy@rochester.rr.com>
- 10) Resistor Question
by "Dan Martin" <dmartin@visuallink.com>
- 11) Swan 600T/600R Wanter
by Robert Kemp <rkemp@mr.net>
- 12) Re: Resistor Question
by Arden Allen <gumbear@pacbell.net>
- 13) Swan 600R/600T Wanted
by "Robert Kemp" <rkemp@mr.net>
- 14) Re: Of Intl. Crystal T-12 Txmtr
by Kargokult@aol.com
- 15) Military Radio Meet In Texas- Results
by David Stinson <arc5@ix.netcom.com>
- 16) son of 211 Tank Coil Calculations
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 17) Heath SB-220/221 or HL-2200 Amp Input Coils
by "Ron" <ab5wg@mylinuxisp.com>
- 18) ADMINISTRIVIA: Fancy HTML in Posts

by listown@nanniandjack.com (Mail List Owner)

Message-Id: <5.1.0.14.0.20020111163001.00b10640@vuse.vanderbilt.edu>

Date: Fri, 11 Jan 2002 16:31:27 -0600

To: Old Tube Radios <boatanchors@theporch.com>

From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>

Subject: Fwd: Re: Lankford SSB Mod

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I did the mod on an R390 (nearly the same configuration). Works very well for SSB, but seemed to result in lower sensitivity overall for AM, certainly lower volume at a given setting.

A. B. Bonds

>I did the mod last year and found SSB good but AM was distorted so I removed
>it. I guess there is never something for nothing.

>

>Bill Breshears WC3K

>

>Mike Sullivan wrote:

>

> > Finally got around to the Lankford SSB mod and it works GREAT.

Message-ID: <3C3F8F2A.4050704@mr.net>

Date: Fri, 11 Jan 2002 19:19:38 -0600

From: Robert Kemp <rkemp@mr.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Swan Model 22 VFO switch f/s

Content-Type: text/html; charset=us-ascii

Content-Transfer-Encoding: 7bit

<p><pre>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

* To the SENDER of this email: *

* Please don't use HTML tags or 'rich text' here. *

* Set your emailer to turn that off. *

</pre><p>

<html><head></head><body><big>Have the Swan VFO switch Model 22 f/s. \$40 shipped.

Bob

</big></body></html>

Message-ID: <3C3F93D1.1D0D3CA4@verizon.net>

Date: Fri, 11 Jan 2002 20:39:30 -0500

From: Mike Sullivan <vze344qr@verizon.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

CC: Old Tube Radios <boatanchors@theporch.com>, r-390@mailman.qth.net

Subject: Re: Lankford SSB Mod

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I my case the already strong local am station was distorted (over 100 perhaps 120 on carrier level meter). Others (normal levels up to 100) ok, but seems am demod audio level was lower. SSB came out good. I believe type of diode makes a big difference. I used genuine 1N4148s.

Bill Breshears wrote:

>

> I did the mod last year and found SSB good but AM was distorted so I removed
> it. I guess there is never something for nothing.

>

> Bill Breshears WC3K

>

> Mike Sullivan wrote:

>

> > Finally got around to the Lankford SSB mod and it works GREAT. Did the
> > two diode and once capacitor version and now can demodulate ssb quite
> > nicely. No negative effects that I can determine, did notice the carrier
> > level meter reads a bit higher. One am broadcast station, the one that
> > pegged the carrier meter, now exceeds 100db and sounds just a bit
> > distorted. I suspect its an outlier case since it is so close to the
> > home qth.

> >

> > I recommend the mod, very simple and it gives quite spectacular results.

> >

> > Mike

> > kc2kj

Message-Id: <4.3.2.7.2.20020112074122.00ad8360@mail>

Date: Sat, 12 Jan 2002 07:48:11 -0600

To: Old Tube Radios <boatanchors@theporch.com>

From: Dave Metz <metzd@intelos.net>

Subject: "Echoes of War" book followup
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I am sure this has been posted before, but the book "The invention that changed the world", by Robert Buderer is a fantastic book for the boatanchor crowd. The used book search engines such as amazon and <http://dogbert.abebooks.com/abe/IList> will usually turn it up for a very reasonable price as it wasn't a best seller. What amazed me was the transition time from pure research discoveries to workable in the plane units. We sure owe a big debt to those people at MIT and the radlab.

73's
dave

To: Old Tube Radios <boatanchors@theporch.com>
Date: Sat, 12 Jan 2002 08:24:46 -0600
Subject: Of Intl. Crystal T-12 Txmtr
Message-ID: <20020112.082447.-318957.2.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: Michael n Hopkins <mnhopkins@juno.com>

It was a marginal MOPA without case or P/S it's parents tried to dress up by offering to Christmas wrap it. It used 12BY7 to drive 5763 but you had to buy the tubes, and the crystal, separately. Not surprisingly, it's parents sold crystals.
So shake out your junk boxes, once again, for an genuine International Crystal T-12 transmitter board.

The T-12 was seat-of-the-trousers, (Not "Pants," Soldier) Hamming back in 1957 when it was possible to tinker up an oscillator 6L6 by the time your one year Novice licence ran out, but economies of scale were with the Oklahoma City crystal makers. It was cheaper than the parts separately. And I've found several who had them, or saw them, but I've not found even the burned, castaway remnant of a T-12 in five years of searching. That said, I was 15 years to my first Regency ATC-1, Hamdom's first all solid state device in the same year the KWM-1 started us down the Transceiver Trail and ICX advertised the T-12.

All that was a long time ago., but we still try to preserve what we can and we keep looking. There is an occasional reward. At Dayton, I found a Tapetone receive converter, Cadillac to Tecraft's Buick, for 108 MC: the second generation satellite snooper from 1958. We were thinking they might be vapor ware, at \$80 a throw with Ike in the White House.

But it was real, as was the T-12. Ask W4BWS, W4BLD and the others who were almost ready to clone the board -- if we could find one. That was three years ago and now I'm more computer literate so I'm two hours into copying the In Vivo example shown in the QST review on page 33 of the December, 1957 edition, and, yes, it will photocopy. But it's perspective distorted about four degrees of skewer and my best attempt so far is still iffy. In time, I could clean up the lines and recreate the holes where the solder is now. But then we're back into the arguments about components for both the 80 and 40M versions.

So brothers and sisters, (I finally met Bobbi at Dayton): Search your hearts and the moulding pasteboard of yesteryear for a T-12 (size 3.5 x 6 in) or any scraps of paper, even Christmas wrap, that might have come with it.

73 de ab5L, student of Tecraft and 6M's Golden Age, 1956-58 (MNHopkins on JUNO) Michael Hopkins, Box 226841, Dallas 75222

Message-ID: <001901c19b91\$78737400\$88bc69ce@EWHITE>
From: "Ed White" <wa3bzt@wserv.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Johnson KW Matchbox
Date: Sat, 12 Jan 2002 12:49:22 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang:
What is the mod on a Johnson KW matchbox where a switch on the back and a outer coil around the inner coil is taped? Anybody know what this mod does?
Ed
WA3BZT

Message-ID: <007601c19b92\$81dc1820\$7994e0cf@jameshan>
From: "JAMES T HANLON" <knjhanlon@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 211 Tank Coil Calculations
Date: Sat, 12 Jan 2002 10:56:46 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

I'm reading from the 15th Edition of the Radio Handbook edited by Bill Orr, W6SAI, page 262. It says for a normal Class C amplifier, "the expression for the plate load impedance can be greatly simplified to the following approximate but useful expression:

$$R_{load} = R_{d.c.}/2$$

which means simply that the resistance presented by the tank circuit to the Class C tube is approximately equal to one-half the d-c load resistance which the class C stage presents to the power supply (and also to the modulator in case high-level modulation of the state is to be used).

"Combining the above simplified expression for the r-f impedance presented by the tank to the tube, with the expression for tank Q given in a previous paragraph, we have the following expression which relates the reactance of the tank capacitor or coil to the d-c input to the Class C stage:

$$X_c = X_L = R_{dc}/2Q$$

(end of quote).

R_{dc} is the 5000 ohms you calculated, 1000 volts / 0.2 amps = 5000 ohms

Let's go after the values for L and C: I'll assume a Q of 12, common for higher frequency work.

$$X_L = (2\pi f L) = R_{dc}/2Q \quad \text{solving for L: } L = R_{dc} / [(2Q) * (2 * \pi * f)]$$

Plugging in: $L = 5000 / [(2 * 12) * (2 * \pi * 1.665E5)] = 199.1E(-6)$ Henries or 199.1 microhenries.

We can get C from the equation $X_L = X_c$ at resonance.

$$2\pi f L = 1/(2\pi f C) \quad \text{solving for C: } C = 1/ L * (2\pi f)^2$$

Plugging in: $C = 1/ 199.1E(-6) * (2 * \pi * 166500)^2 = 0.004589E(-06)$ or .004589 microfarads or 4589 picofarads.

I'm working from memory when I say this, but I think tank circuit Q is related to the half-power bandwidth of the tuned circuit by

$$Q = \text{Fresonance}/\text{Bandwidth}$$

Solving for Bandwidth: $\text{Bandwidth} = \text{Fresonance}/Q$

And plugging in: $\text{Bandwidth} = 166.5 \text{ KC} / 12 = 13.875 \text{ KC}.$

That should be enough Bandwidth for your carrier plus AM sidebands.

Hope this helps a little.

Jim Hanlon, W8KGI

----- Original Message -----

From: "David Stinson" <arc5@ix.netcom.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Thursday, January 10, 2002 7:33 AM
Subject: 211 Tank Coil Calculations

> Please bear with me while I display my ignorance.
>
> I'm attempting to calculate a tank with link coupled output
> for a 211 triode at 166.5 KC.
> At 1000 volts and 200 mils of plate current,
> I think I need a tank impedance of 5000 ohms?
> Assuming this is correct, the impedance formula for
> this parallel circuit, $Z = (2\pi F L)^{sqr} / R$, would give
> a tank inductance of $69 / R$ microhenries, meaning that the
> final tank inductance will depend on the resistance of
> the wire of which it is made. i.e. if the coil is 1 ohm,
> the inductance is 69 microhenries. If the coil is .25 ohm,
> the inductance is $69/.25$, or 276 microhenries. The final
> value will probably be somewhere between these.
> I actually want a lower Q tank, since I want to be
> able to do phone work.
> The tank cap would be $1 / (2\pi F C)$, or about .019 ufd.
>
> This is assuming the link turns ratio and the final
> load impedance are correct so they reflect the calculated values.
>
> Have I got this right?
>
> Thanks for the help,
> Dave S.
>

Date: Sat, 12 Jan 2002 14:30:23 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: Dynamotor for No. 19 Mk II wanted
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200201121430_MC3-EDAB-F92F@compuserve.com>
MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Groups,

If anyone has an extra dynamotor for the 19 set that you want to sell,
contact me off the list and I'll give you a name and current address. I've
never had one. W5KTN says that the radio that he has is Canadian made.

73

Robert Downs
<RWDowns_WA5CAB@compuserve.com>
Houston

Message-ID: <004501c19bb6\$29863920\$9a8b4242@rochester.rr.com>
From: "Russ Schroeder" <w2dyy@rochester.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <w2dyy@rochester.rr.com>
Subject: Manuals for sale
Date: Sat, 12 Jan 2002 17:12:01 -0500
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_0042_01C19B8C.3FEFEE60"

This is a multi-part message in MIME format.

-----=_NextPart_000_0042_01C19B8C.3FEFEE60
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hollowstaters,

I have the following manuals (originals or copies, as stated) available. =
Prices do not include shipping.

TERMS OF SALE: I will accept requests for the manuals until midnight =
(EST) Monday, 1/14. If more than one person requests a given manual, the =
winner will be picked by random selection. On Wednesday, 1/16, the =
manuals will be mailed via the Post Office to the requesters along with =
a mailnote stating total cost of manuals + shipping. Send me a check at =
that time to cover the package.

Please enclose your mail address with your request. This will greatly =

speed up the process

- 1) (copy) TB-SIG E-19 Japanese Radio Set Model 94 Mark 5 Wireless Set. = Marl 32 Type transmitter. Mark 32 type receiver. War Department = Technical Bulletin 1944. \$10.00
- 2) (original) Swan AF-800 CW filter installation and operating = instructions. \$4.00
- 3) (copy) Instruction book or Radio Station RS-6. \$10.00
- 4) (original) Heathkit Catalog 1958. like new condition except for light = colored coffee-cup stain on the cover. \$8.00
- 5) (original) Collins - An introduction to SSB (8 pages + covers) very = good condition. \$5.00
- 6) (original) Collins - SSB Amateur Equipment (75A4 and KWS-1) 16 pages, = excellent condition. \$10.00
- 7) (copy) TM E11-227A Japanese Radio Communications Equipment. \$10.00
- 8) (copy) Wireless Set (Canadian) No. 19 Mark II Working instructions. = \$8.00
- 9) (original) RCA Type 500-B Police Transmitter, 500 watts, 1572 to 2508 = kc. Good condition, cover partially separated on edge. \$7.00
- 10) (original) Harris RF-822 SSB Transceiver. Excellent condition. = \$15.00
- 11) (original) Harris Co-Pilot SSB Transceiver (missing schematics) = Excellent condition. \$9.00
- 12) (copy) TMC Technical Manual for AN/FRR-49(V) Radio Receiving Set = Navships 92786A 15 Oct 56. \$15.00
- 13) (original) Collins Amateur Radio Logbook (1962,63) Excellent = condition, unused. \$10.00
- 14) (original + copies) SBE SB-33 (Series SF-1) [original + copy] and = SB-33 (Series SF) [original] originals in good / poor condition. \$6.00
- 15) (original) Gonset G-66 and G-66B mobile receiver. Good condition = with loose pages. \$8.00
- 16) (copy) Polytronics Polycomm "2" Instruction manual. \$5.00

- 17) (original) Klingenfuss Guide to Utility Stations. Seventh Edition, = 1989. Excellent condition \$10.00
- 18) (copy) Heathkit DX-100 Transmitter. \$5.00
- 19) (copy) Naveships AN-16-30APR-1-3 Radio Receiving Equipment Model = AN/APR-1 and AN/SPR-1 Maintenance Handbook 15 July 1945. \$10.00
- 20) (copy) Preliminary Instruction Book for Navy Model TDE Transmitter. = June 30, 1942. \$10.00
- 21) (original) 1969 WRL Catalog No. 28 Excellent condition, some = doodling on front cover. \$6.00
- 22) (original) 1969 WRL Catalog No. 28 Excellent condition, detached = cover. \$6.00
- 23) (original) 1973 Trigger Catalog #140 Excellent condition, slight = dog-ear along bottom of cover. \$6.00
- 24) (original) Heathkit Catalogs. 1976, Summer 1976 and Christmas 1976. = \$10.00
- 25) (original) Army Field manual FM 24-18 "Field Radio Techniques" July = 1965. Excellent condition. \$7.00
- 26) (original) TM 1-470 Technical Manual "Aircraft Radio Shop Practice" = May 1, 1942. Excellent condition. \$10.00
- 27) (original) TM 1-413 Technical Manual "Aircraft Instruments" Nov 7, = 1940. Excellent condition. \$10.00
- 28) (original) Liberty Electronics Catalog (~1966?) "Electronic = Equipment and Communications Sets" (Note: all military equipment) = Excellent condition. \$10.00
- 29) (copy) TM 11-250 Technical Manual Radio Set SCR-288 Oct 28, 1942. = \$10.00
- 30) (original) TM 11-900 Technical Manual Power Units PE-75-C, -D, -J, = -K, -P, -S, -T, -U, -W, -AA, -AB, -AC, and -AE. Excellent condition = \$10.00
- 31) (original) Preliminary Maintenance Instructions: (1) Radio Receiver = BC-639-A. (1) Rectifier RA-42A and RA-42B. Good condition \$10.00
- 32) (original) TM 11-6625-486-14&P Technical Manual for Frequency Meters = AN/USM-159, AN/USM-159A and AN/USM-159B. Excellent condition. \$12.00

33) (original) Navpers 10808 Supplementary Readings in Fundamental Navel =
Electronics. March 1949. Good condition. \$10.00

34) (copy) TM 11-6625-640-15 Operators, Organizational, DS, GS, and =
Depot Maintenance Manual including repair parts and special tool lists =
for Oscilloscope AN/USM-117, AN/USM 117A, AN/USM-117B and AN/USM-117C. =
\$10.00

Thanks for reading this long list.

73 Russ W2DYY

w2dyy@rochester.rr.com

-----=_NextPart_000_0042_01C19B8C.3FEFEE60

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_000_0042_01C19B8C.3FEFEE60--

Message-ID: <000b01c19bc8\$a15744a0\$df669bd0@dmartin>

From: "Dan Martin" <dmartin@visuallink.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Resistor Question

Date: Sat, 12 Jan 2002 19:23:29 -0500

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I've come across a supply of RCA "Flameproof" resistors. Made in USA,
they're one-half and one watt, +/- 2%, the body is a baby blue color with
the usual color coding. The ceramic-like surface can be scratched off to
reveal an almost transparent body, kind of smoky glass-like, with a faint
spiral of something winding around about 3/4 of the length

Anyone know if these are metal film? Metal oxide? Wirewound? I'm a little

concerned how inductive they might be.

Dan
WB4GRA

Message-ID: <3C40D381.2050501@mr.net>
Date: Sat, 12 Jan 2002 18:23:29 -0600
From: Robert Kemp <rkemp@mr.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Swan 600T/600R Wanter
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<p><pre>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* To the SENDER of this email: *

* Please don't use HTML tags or 'rich text' here. *
* Set your emailer to turn that off. *

</pre><p>
<html><head></head><body>Anyone have a set up for sale.? Don't want a ;
basket case, but they can be non working.

Bob

</body></html>

Date: Sat, 12 Jan 2002 18:43:26 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Resistor Question
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GPU00102VKQVX@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Dan;

> Anyone know if these are metal film? Metal oxide? Wirewound? I'm a little
> concerned how inductive they might be.

They are metal oxide film resistors. The helix you see is cut into the
deposited element to set the resistance value. The inductance of the

element is negligible, being only a portion of the total inductance which includes the lead's inductance. They are more stable and less noisy than carbon film resistors. They are called "flame-proof" mainly as a selling point. All modern resistors are designed to fail from overload without ejecting flaming material or producing a flame that could become an ignition source. One must keep in mind, however, that a resistor that is overloaded just short of failing may become hot enough to ignite a flammable material it is in contact with.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <000701c19be1\$26979620\$390092ce@rkemp>
From: "Robert Kemp" <rkemp@mr.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Swan 600R/600T Wanted
Date: Sat, 12 Jan 2002 21:19:44 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry if this is a repost....got original kicked back due to "rich text" problem.

Anyway, looking for the above. Don't want basket cases, but can be non working units!

Bob

From: Kargokult@aol.com
Message-ID: <cb.1bae5266.297257b8@aol.com>
Date: Sat, 12 Jan 2002 22:23:36 EST
Subject: Re: Of Intl. Crystal T-12 Txmtr
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Of course, International also had the receiver kit, open chassis type, buildable for different ranges (and to my thinking, way overpriced compared to what was available used or surplus...) I have never even seen parts of one of those.

Hue

Message-ID: <3C418B9B.E359522D@ix.netcom.com>
Date: Sun, 13 Jan 2002 07:28:59 -0600
From: David Stinson <arc5@ix.netcom.com>

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Military Radio Meet In Texas- Results
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I received 24 responses.
Experience shows that after Murphy gets through with everyone,
about 30% of people who say they can come actually get to do so.
I know most of the respondents and feel confident that at least
50% would make it in this case.
Since this would likely be held at HamCom,
there would be a certain amount of "walk in" attendees.
If I had to bet, I'd say we end up with about 30-35 people.

I was thinking of holding an actual seminar with a famous
guest speaker, but that level of attendance
wouldn't justify the expense.
I'll see what else can be done in a less formal setting.

73 Dave S.

--

"I'd rather be damned by a thousand wrongdoers
then by my own conscience."
Me, 2002

Date: Sun, 13 Jan 2002 10:33:51 -0500 (EST)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200201131533.KAA00200@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: son of 211 Tank Coil Calculations

Dave et al.

$$Q = X / R \quad [X = X_c = X_L \text{ since same @ resonance }]$$

ARRL Hbk on tank ckts agrees a class C amp shud have tank Z (same
as R at resonance) of half plate load R. Like W. Orr(sk). But expression

$$X_c = X_L = R_{dc}/2Q$$

confuses. Should be

$$X_c = X_L = (R_{dc}/2) Q$$

think rest of arithmetic follows tho.

On "memory serves me on Q." Right. My greatly-admired dept. head John Hart W8UFG defined Q as

"normalized recip. of bandwidth at half-power"

Love it & it's stuck for life. JBH was radar ofc. on cruiser that carried 1st naval gun-laying computers (sorta Navy SCR584) that caught axis by surprise one early '45 night in the Solomons & did the oft-told deed.

Now on Q. 15 or so at common freq.s is regular choice according to ARRL and 'KGI response. At 40M, means half-power points .5mhz apart or at 170khz they're 12 khz apart.

Might want to take Q to 30 to narrow the spread to 6 khz to be good neighbor. Dunno what LFers consider good practice. But heavier wire needed 'cause increased circulating currents.

All this is kinda "try it & see what happens." Audio response will suffer due to snubbed sidebands. Heard BBC, et. al LF services had fidelity bugs for that reason.

Read "I heard."

Keep us posted on reason for inquiry, anticipated power, & outcome.

211 a nice tube.

Marty

From: "Ron" <ab5wg@mylinuxisp.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Heath SB-220/221 or HL-2200 Amp Input Coils
Date: Sun, 13 Jan 2002 12:09:44 -0600
Message-ID: <HEEMKIIIEIADKAMMEDLOCKEDLCIAA.ab5wg@mylinuxisp.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_0004_01C19C2B.2FE2BD00"

This is a multi-part message in MIME format.

-----=_NextPart_000_0004_01C19C2B.2FE2BD00
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am looking for the input coil (40-1012) for the 80M band for this amp. All three amps use the same part number. It may even be common to other Heath amps. I hope someone out there has a parts unit available with a good 80M coil?

Or, if anyone has the specifications on this coil--number turns and wire gauge--I could possibly rewind this one. The one I have has had a death by fire at some time in its history but the coil form may be usable.

Thanks,

Ron, AB5WG

-----=_NextPart_000_0004_01C19C2B.2FE2BD00
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----=_NextPart_000_0004_01C19C2B.2FE2BD00--

Message-Id: <200201131915.g0DJF0FA025604@osr506.nanniandjack.com>
From: listown@nanniandjack.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Fancy HTML in Posts
Date: Sun, 13 Jan 2002 11:15:00 -0800 (PST)

Gang-

Please accept this periodic posting as it is intended:
A suggestion that will help everyone on the list...

Many many of the members of the list read through text-based mailers on systems of other than WIntel origins... this is particularly true for those members who are "off-shore" where the technology is too expensive to justify. Just keep in mind that NOT everyone reads the list postings with the very latest windowed technology.

PLEASE avoid the use of HTML and "quoted printable" in your email. If you don't know what this means, then PLEASE get help and set your mailer

up so that you send your posts to the list in "PLAIN TEXT" only, with NO fancy HTML.... generally, avoid fancy fonts and colors, which will force your mailer to use the fancy stuff, and creates the problem.

The problem is serious enough that we have taken steps to protect the list... we have created a filter that detects anything sent to the list that is not plain text, and deletes the rest of the message from the place where the non-text is detected.

You may have seen "FOBIDDEN FORMAT" in a post to the list, and wondered what happened... it is the phrase we insert to let the poster know that the post contained a binary, an attachment, HTML, a "vcard" or some other format that presents a problem to the List Processor... it enforces consideration of your fellow BoatAnchors members.

PLEASE use only plain text.

PLEASE Get help with setting your mailer to not send the fancy HTML and quoted printable.

PLEASE be considerate of the list resources and your fellow members.

Thanks for your attention

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"

Sun Jan 13 11:15:00 PST 2002

End of BOATANCHORS Digest 3281
